

Ultramid® 8262G HS BK-102

Polyamide 6



Product Description

Ultramid 8262G HS BK-102 is a heat stabilized, pigmented black, 20% glass and mineral reinforced PA6 injection molding compound resulting in a balance of engineering properties with excellent dimensional stability, low warp and good resistance to sink mark formation.

Applications

Ultramid 8262G HS BK-102 is generally recommended for applications such as automotive housings, brackets, hubs, shrouds and roller bearings.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.29	
Moisture, %	62		
(24 Hour)		1.3	
(50% RH)		2.2	
(Saturation)		7.9	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23C		5,200	-
Tensile stress at break, MPa	527		
23C		100	-
Tensile strain at break, %	527		
23C		3	-
Flexural Modulus, MPa	178		
23C		4,200	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m ²	180		
23C		4	-
-40C		3	-
Charpy Notched, kJ/m ²	179		
23C		3	-
-30C		3	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, C	3146	220	-
HDT A, C	75	163	-
HDT B, C	75	211	-
UL RATINGS	UL Test Method	Property Value	
Flammability Rating, 1.5mm	UL94	HB	
Relative Temperature Index, 1.5mm	UL746B		
Mechanical w/o Impact, C		105	
Mechanical w/ Impact, C		105	
Electrical, C		105	

